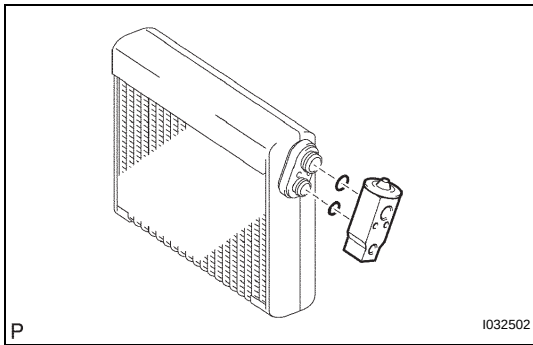


**10. REMOVE COOLER EXPANSION VALVE**

- (a) Remove the cooler expansion valve from the cooler evaporator sub-assembly No. 1.
- (b) Remove the 2 O-rings from the cooler evaporator sub-assembly No. 1.

HINT:

Removing only instrument panel sub-assembly upper, heater to register duct No. 1 and heater case makes it possible to install the cooler expansion valve.

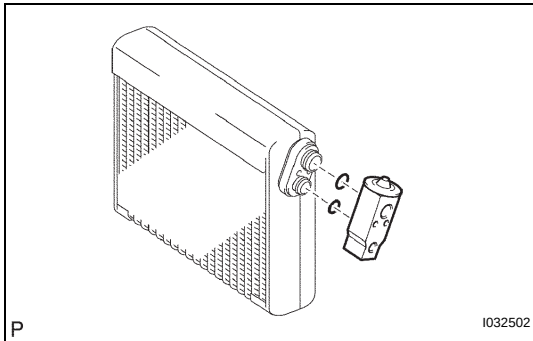
**11. REMOVE COOLER EVAPORATOR SUB-ASSEMBLY NO. 1****12. REMOVE COOLER UNIT DRAIN HOSE NO. 1****REASSEMBLY****1. INSTALL COOLER EXPANSION VALVE**

- (a) Lubricate 2 new O-rings with compressor oil and install them to the cooler expansion valve.

**Compressor oil:**

**ND-OIL 8 or equivalent**

- (b) Install the cooler expansion valve to the cooler evaporator sub-assembly No. 1.

**2. INSTALL AIR CONDITIONING TUBE ASSEMBLY**

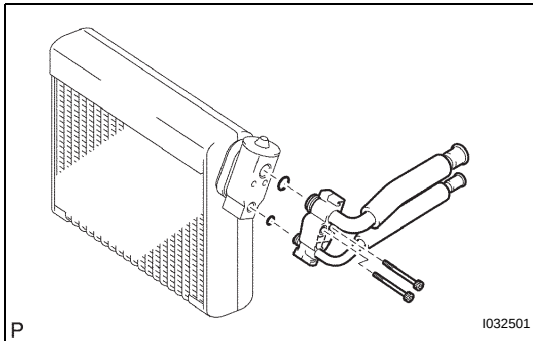
- (a) Lubricate 2 new O-rings with compressor oil and install them to the air conditioning tube assembly.

**Compressor oil:**

**ND-OIL 8 or equivalent**

- (b) Using a hexagon wrench 5.0 mm (0.20 in.), install the air conditioning tube assembly with the 2 hexagon bolts.

**Torque: 3.5 N\*m (35 kgf\*cm, 30 in.\*lbf)**

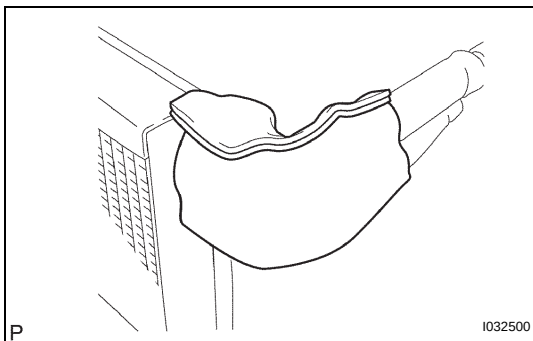


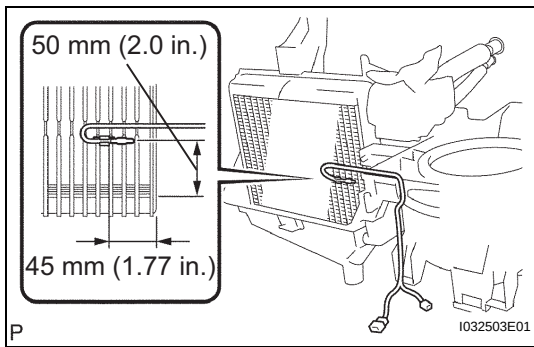
- (c) Install the packing.

HINT:

Securely attach so that the gap in the packing will not be made.

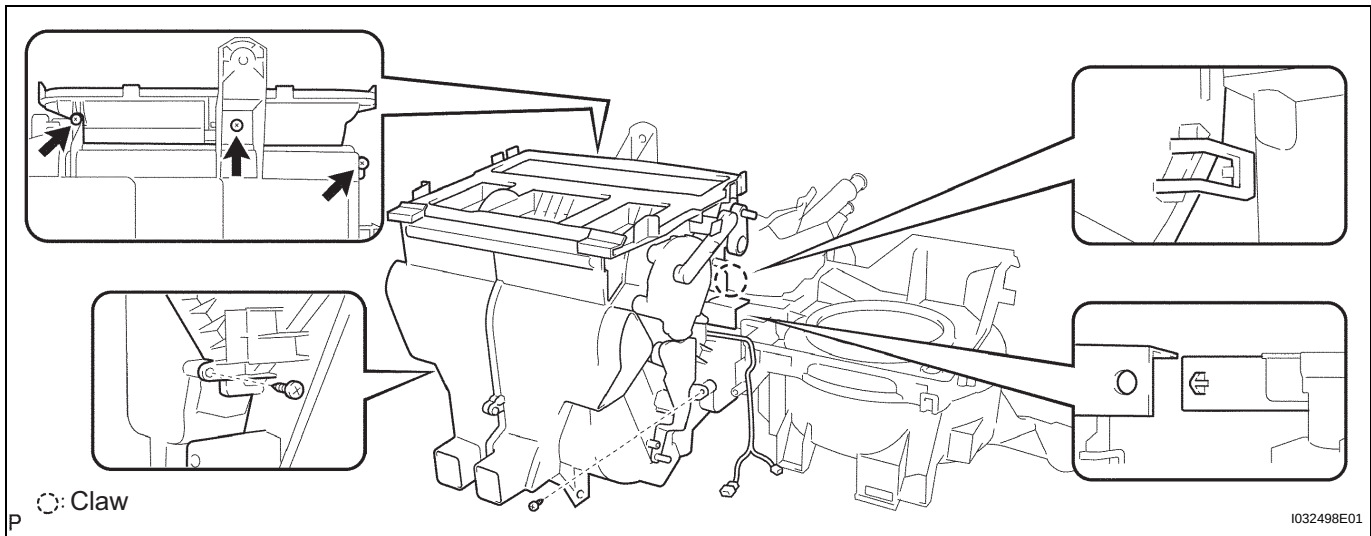
- (d) Install the cooler evaporator assembly to the heater case.



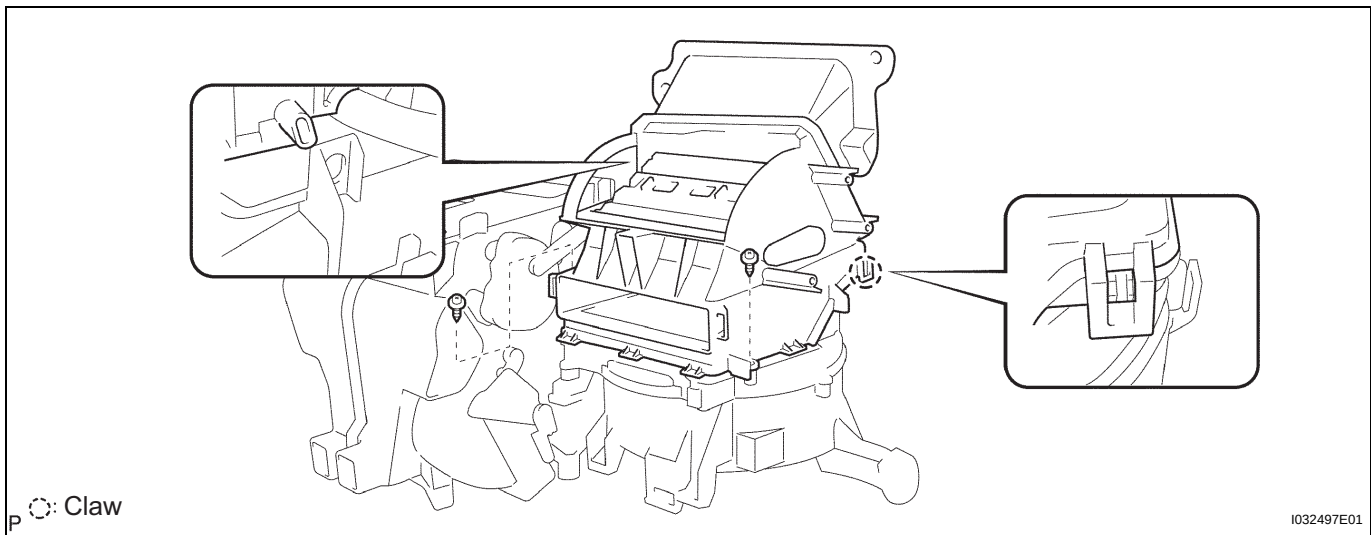


### 3. INSTALL COOLER THERMISTOR NO. 1

- (a) Install the cooler thermistor No. 1 at the position shown on the illustration.
- (b) Install the heater case with the claw and 5 screws.



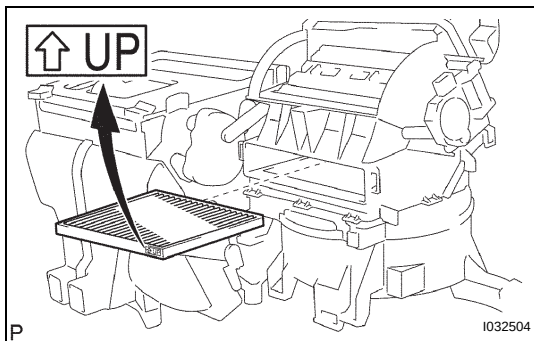
- (c) Install the heater case with the claw and 2 screws.

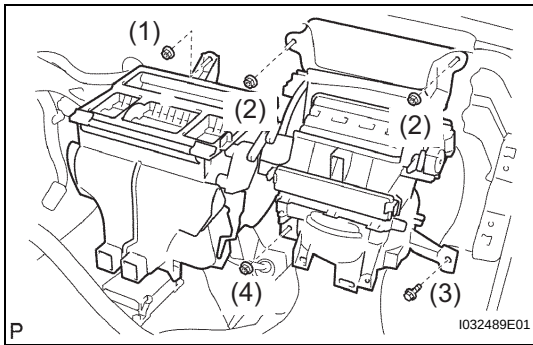


## INSTALLATION

### 1. INSTALL CLEAN AIR FILTER

- (a) Install the air filter to the air conditioning unit assembly.





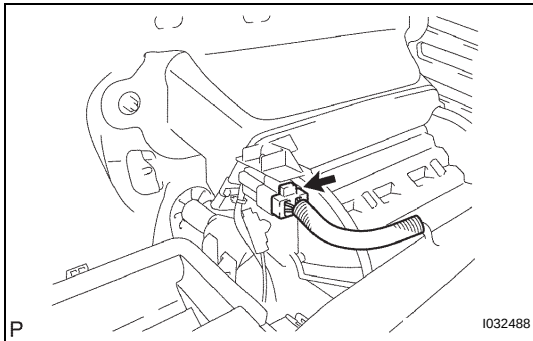
## 2. INSTALL AIR CONDITIONING UNIT ASSEMBLY

- (a) Install the air conditioning unit assembly with the 4 nuts and bolt.

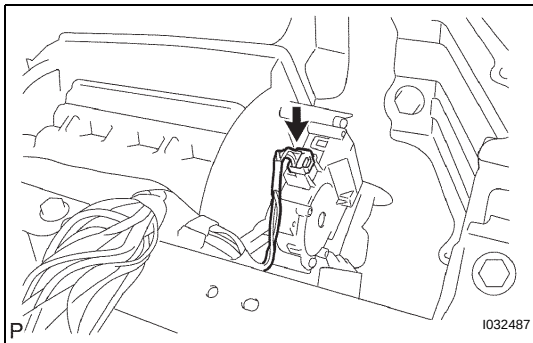
**Torque: 9.8 N\*m (100 kgf\*cm, 87 in.\*lbf)**

**NOTICE:**

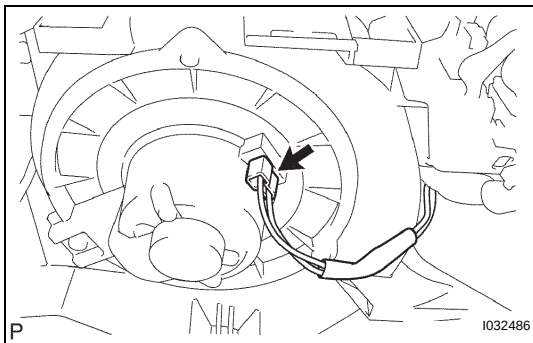
**Tighten the nuts and bolt in the order shown in the illustration to install the air conditioner unit assembly.**



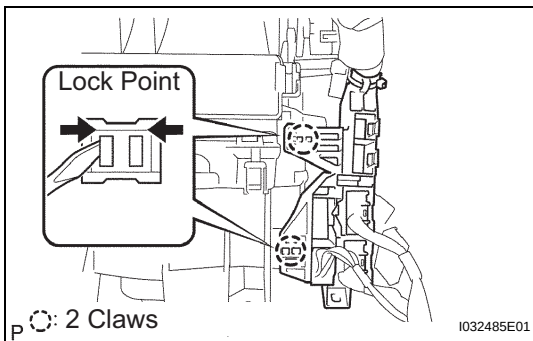
- (b) Connect the connector to the cooler thermistor No. 1.



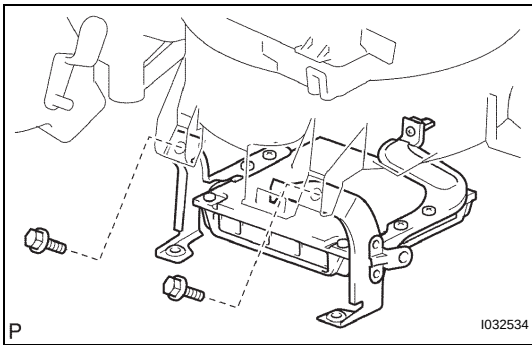
- (c) Connect the connector to the damper servo sub-assembly.



- (d) Connect the connector to the blower w/fan motor sub-assembly.



- (e) Engage the 2 claws, and connect the connector holder.



### 3. INSTALL ECM

- (a) Install the ECM with the 2 bolts.

**Torque: 3.0 N\*m (30 kgf\*cm, 26 in.\*lbf)**

**NOTICE:**

- Do not apply excessive force to the connector of the ECM.
- Do not give any impact to the ECM.

### 4. INSTALL LOWER INSTRUMENT PANEL SUB-ASSEMBLY (See page [IP-11](#))

### 5. INSTALL AIR CONDITIONING CONTROL ASSEMBLY (See page [AC-51](#))

### 6. INSTALL DEFROSTER DAMPER CONTROL CABLE SUB-ASSEMBLY

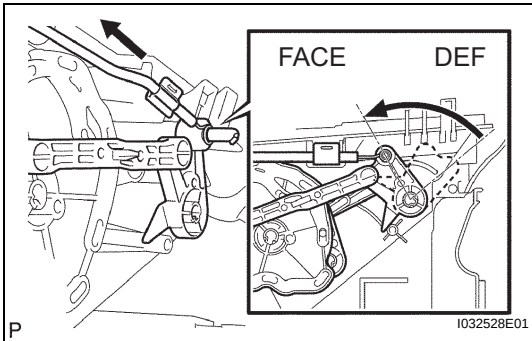
- (a) Set the arm in FACE position.
- (b) Install the inner cable end to the control lever with the arm in FACE position.
- (c) Install the outer cable to the cable clamp while slightly pressing it in the direction of the arrow.

**NOTICE:**

- Be careful not to bend the cable wire.
- If the cable wire bends, the air conditioning control assembly operability becomes worse.

**HINT:**

Operating the mode control lever, check that it properly stops at both ends of FACE and DEF and no recoil is identified.



### 7. INSTALL AIR MIX DAMPER CONTROL CABLE SUB-ASSEMBLY

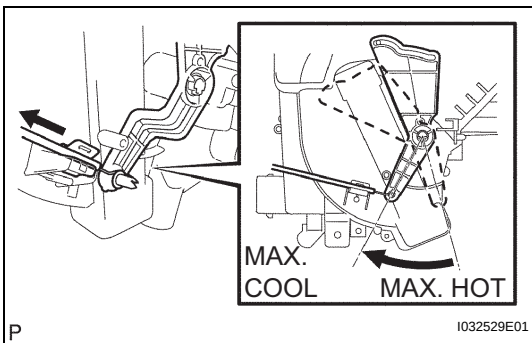
- (a) Set the arm in MAX. COOL position.
- (b) Install the inner cable end to the control lever with the arm in MAX. COOL position.
- (c) Install the outer cable to the cable clamp while slightly pressing it in the direction of the arrow.

**NOTICE:**

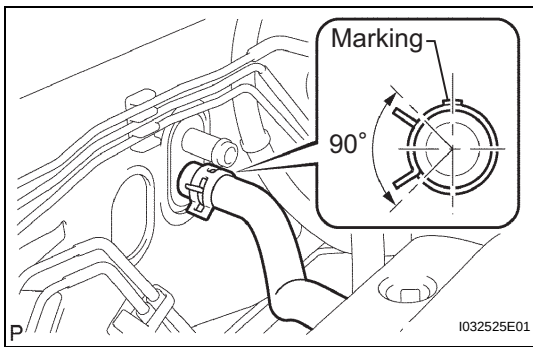
- Be careful not to bend the cable wire.
- If the cable wire bends, the air conditioning control assembly operability becomes worse.

**HINT:**

Operating the temperature control lever, check that it properly stops at both ends of MAX. COOL and MAX. HOT and no recoil is identified.



### 8. INSTALL UPPER INSTRUMENT PANEL SUB-ASSEMBLY (See page [IP-12](#))

**9. INSTALL HEATER OUTLET WATER HOSE**

- (a) Using pliers, grip the claws of the clip and slide the clip and connect the heater outlet water hose.

**NOTICE:**

- The clip is installing so that the projection of the clip may go into the 90° to a direction position.
- Marking of hose is installed upward by vehicle.

**10. INSTALL HEATER INLET WATER HOSE****HINT:**

Connect in the same way as the heater outlet water hose.

**11. INSTALL SUCTION HOSE SUB-ASSEMBLY**

- (a) Lubricate a new O-ring with compressor oil and install them to the hose.

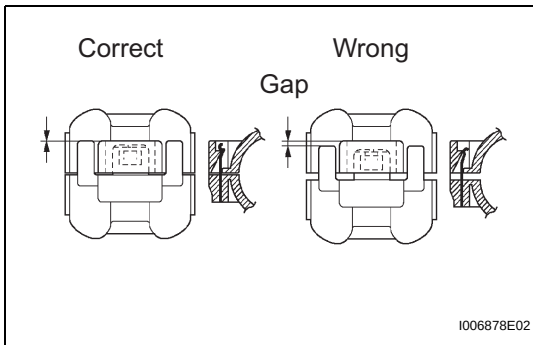
**Compressor oil:**

**ND-OIL 8 or equivalent**

- (b) Install the cooler refrigerant suction hose No. 1 and piping clamp.

**HINT:**

After connection, check the fitting for claw of the piping clamp.

**12. INSTALL AIR CONDITIONING TUBE ASSEMBLY**

- (a) Lubricate a new O-ring with compressor oil and install them to the pipe.

**Compressor oil:**

**ND-OIL 8 or equivalent**

- (b) Install the cooler refrigerant liquid pipe A and piping clamp.

**HINT:**

After connection, check the fitting for claw of the piping clamp.

**13. ADD COOLANT****HINT:**

- See page [CO-5](#) for 1ZZ-FE.

**14. INSPECT FOR ENGINE COOLANT LEAK****HINT:**

- See page [CO-17](#) for 1ZZ-FE.

**15. CHARGE REFRIGERANT (See page [AC-11](#))****16. WARM UP ENGINE****17. INSPECT LEAKAGE OF REFRIGERANT (See page [AC-11](#))**